

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	54989	(martin near2 seemann or serge near2 biollaz or samuel or stucki).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 10:55
L2	17	(martin near2 seemann or serge near2 biollaz or samuel near2 stucki).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 10:55
L3	6	("4011058") or ("3600145") or ("3927999") or ("4397964") or ("4822935").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/06 10:58
L4	3	I2 and methane	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 11:03
L5	9407	48/197r-197a,127.1.clcs.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 11:03
L6	1157	I5 and (generat\$4 or produc\$4) near2 (methane or sng or natural gas)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 11:04
L7	238	I5 and (generat\$4 or produc\$4) near2 (methane or sng or natural gas) and methane and cataly\$7 and ((space or spaced) velocity or sv or ghsv)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 11:05
L8	49	I5 and (generat\$4 or produc\$4) near2 (methane or sng or natural gas) and methane and cataly\$7 and ((space or spaced) velocity or sv or ghsv) and (ni or nickel) and ceramic and oxide	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 11:07
L9	11	"48".clas. and (generat\$4 or produc\$4) near2 (methane or sng or natural gas) and methane and cataly\$7 and ((space or spaced) velocity or sv or ghsv) and (ni or nickel) and ceramic and oxide not I8	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 11:12

L10	372	(generat\$4 or produc\$4) near2 (methane or sng or natural gas) and methane and ((space or spaced) velocity or sv or ghsv) and ((ni or nickel) and ceramic and oxide) same cataly\$7 not l8 not l9	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 11:13
L11	231	(generat\$4 or produc\$4) near2 (methane or sng or natural gas) and methane and ((space or spaced) velocity or sv or ghsv) and ((ni or nickel) and ceramic) with cataly \$7 and (metal or nickel or ni) with oxide not l8 not l9	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 11:13
L12	120	(generat\$4 or produc\$4) near2 (methane or sng or natural gas) and methane and ((space or spaced) velocity or sv or ghsv) and ((ni or nickel) and ceramic) with cataly \$7 and (metal or nickel or ni) with oxide and residence time not l8 not l9	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 11:14
L13	63	(generat\$4 or produc\$4) near2 (methane or sng or natural gas) and methane and ((space or spaced) velocity or sv or ghsv) and ((ni or nickel) and ceramic) with cataly \$7 and (metal or nickel or ni) with oxide and residence time and fluid \$5 near2 bed not l8 not l9	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 11:14
L14	2	(US-3938968-\$ or US-3912775-\$).did.	USPAT	ADJ	ON	2010/04/06 11:15
L15	1	l4 and fluidiz\$5 near5 bed	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 11:15

L16	50	(generat\$4 or produc\$4) near2 (methane or sng or natural gas) and methane and ((space or spaced) velocity or sv or ghsv) and ((ni or nickel) and ceramic) with cataly\$7 and (metal or nickel or ni) with oxide and residence time and fluid\$5 near2 bed not l8 not l9 not (vinegar or wellington).in.	US_PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 11:15
L17	92	(general\$4 or produc\$4) near2 (methane or sng or natural gas) and methane and ((space or spaced) velocity or sv or ghsv) and ((ni or nickel) and ceramic and oxide) same cataly\$7 and fluidiz\$5 near2 bed not l8 not l9 not l13	US_PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 11:19
L18	21	("2830883"   "3025149"   "3031287"   "3194644"   "3511624"   "3728093").PN. OR ("3938968").URPN.	US_PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 11:22
L19	1824	(((generat\$4 or produc\$4) adj2 (methane or "ch. sub.4" or sng or synthetic natural gas) or methanat\$4).ab. or (((generat\$4 or produc\$4) adj2 (methane or "ch. sub.4" or sng or synthetic natural gas) or methanat\$4).ti. or (((generat\$4 or produc\$4) adj2 (methane or "ch. sub.4" or sng or synthetic natural gas) or methanat\$4).clm.)	US_PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 11:24
L20	116	l19 and fluidiz\$5 near2 bed and cataly\$7 and ((space or spaced) velocity or ghsv or sv)	US_PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 11:25

L21	25	(US-3938968-\$ or US-3912775-\$ or US-4491564-\$ or US-4422961-\$ or US-4402868-\$ or US-4368142-\$ or US-4341531-\$ or US-4331544-\$ or US-4260553-\$ or US-4253991-\$ or US-4242105-\$ or US-4177202-\$ or US-4134908-\$ or US-4073716-\$ or US-4071331-\$ or US-3993457-\$ or US-3989734-\$ or US-3958957-\$ or US-3933883-\$ or US-3928000-\$ or US-3922148-\$ or US-3890113-\$ or US-3888043-\$ or US-383894-\$ or US-3709669-\$).did.	USPAT	ADJ	ON	2010/04/06 12:02
L22	1	("3938968").PN.	US-PGPUB; USPAT; USOOCR	OR	OFF	2010/04/06 12:02
L23	22	I21 and cataly\$7 with ((nickel or ni) and oxide)	US-PGPUB; USPAT; USOOCR	ADJ	ON	2010/04/06 12:02
L24	2	I21 and cataly\$7 with ceramic	US-PGPUB; USPAT; USOOCR	ADJ	ON	2010/04/06 12:03
L25	4	I21 and concentration with (co or carbon monoxide or hydrogen or "h.sub.2") with (feed or input or initial)	US-PGPUB; USPAT; USOOCR	ADJ	ON	2010/04/06 12:03
L26	1	("20070299288").PN.	US-PGPUB; USPAT; USOOCR	OR	OFF	2010/04/06 12:04
L27	1	I26 and concentration with (co or carbon monoxide or hydrogen or "h.sub.2") with (feed or input or initial)	US-PGPUB; USPAT; USOOCR	ADJ	ON	2010/04/06 12:04
L28	1	I26 and concentration	US-PGPUB; USPAT; USOOCR	ADJ	ON	2010/04/06 12:05
L29	20	I21 and (cataly\$7 or bed) with (temperature and pressure and (velocity or ghsv or sv))	US-PGPUB; USPAT; USOOCR	ADJ	ON	2010/04/06 12:06

L30	18	I21 and (cataly\$7 or bed) with (temperature and pressure and ((space or spaced) velocity or ghsv or sv))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 12:06
L31	0	I21 and I3	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 12:07
L32	11	I21 and concentration with (co or carbon monoxide or hydrogen or "h.sub.2")	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 12:08
L33	23	I21 and cataly\$7 with (weight or size)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 12:28
L34	1	("3938968").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/06 12:29
L35	7	I21 and (unsaturate or aromatic)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 13:18
L36	7	I21 and (unsaturated or aromatic)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 13:18
L37	2	I21 and (unsaturated or aromatic) with (volume or vol or percent\$3 or concentration)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 13:18
L38	1	("3912775").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/06 13:19
L39	2	I34 or I38	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 13:20
L40	2	I39 and (steam or water vapor)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 13:20
L41	2	I39 and (steam or water vapor) with (co or carbon monoxide) with (hydrogen or "h.sub.2") with (carbon dioxide or "co.sub.2")	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 13:21
L42	2	I39 and ceramic	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 13:24
L43	2	I39 and (aromatic or unsaturat\$4 or benzene or toluene or naphthalene)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 13:25
L44	7	I21 and (aromatic or unsaturat\$4 or benzene or toluene or naphthalene)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 13:27
L45	1	I39 and fluidiz\$4 with bed	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 13:53
L46	1	I39 and fluid\$4 with bed	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 13:53

L47	2	I39 and bed	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 13:53
L48	2	I39 and (nickel or ni or oxide) with cataly\$7	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 13:55
L49	0	I39 and nickel oxide	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 13:56
L50	2	I39 and metal with cataly \$7	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 13:56
L51	2	I39 and (nickel or ni or oxide) with cataly\$7 and ceramic	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 13:56
L52	2	I39 and (nickel or ni or oxide) with cataly\$7 same ceramic	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 13:57
L53	1	I39 and cataly\$7 with (size or mu or particle)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 14:04
L54	2	I39 and temperature same pressure same velocity	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 14:05
L55	2	I39 and pressure	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 14:05
L56	0	I39 and residence time	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 14:10
L57	2	I39 and time	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 14:10
L58	13	I21 and nickel oxide	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 14:12
L59	13	I21 and nickel oxide and fluidiz\$4 with bed	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 14:12
L60	8	I21 and nickel oxide and fluidiz\$4 with bed and cataly\$7 with (size or particle)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 14:13
L61	2	I21 and nickel oxide and fluidiz\$4 with bed and cataly\$7 with (size or particle) and residence time	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 14:13
L62	2	I21 and nickel oxide and fluidiz\$4 with bed and cataly\$7 with (size or particle) and residence time and pressure	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 14:13
L63	2	I21 and nickel oxide and fluidiz\$4 with bed and cataly\$7 with (size or particle or mu) and residence time and pressure	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 14:14

L64	1	("3928000").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/06 14:18
L65	1	64 and (steam or water vapor) with (co or carbon monoxide) with (hydrogen or "h.sub.2") with (carbon dioxide or "co.sub.2")	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 14:19
L66	0	65 and (aromatic or unsaturated\$4 or benzene or toluene or naphthalene)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 14:19
L67	1	64 and methan\$7	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 14:20
L68	1	64 and (feed or input)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 14:26
L69	0	21 and unsaturated and aromatic	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 14:34
L70	4	21 and volatile	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 14:35
L71	0	64 and ethane	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 14:35
L72	1	64 and cataly\$7 same nickel oxide same (alumina or ceramic)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 15:05
L73	0	64 and cataly\$7 same active	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 15:12
L74	1	64 and cataly\$7	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 15:12
L75	5	21 and (benzene or toluene or naphthalene)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 15:15
L76	5	21 and (benzene or toluene or naphthalene) and aromatic	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 15:26
L77	5	21 and (benzene or toluene or naphthalene) same aromatic	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/06 15:42
L78	3	((("3928000") or ("3912775") or ("3838994")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/06 15:53
S1	1	("20070299288").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/23 23:17
S2	5	((("4011058") or ("3600145") or ("3927999") or ("4397964")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/23 23:18
S3	1	ep-86538-\$ did.	DERWENT	ADJ	ON	2010/03/23 23:19

S5	1	wo-8801611-\$ did.	DERWENT	ADJ	ON	2010/03/23 23:20
----	---	--------------------	---------	-----	----	---------------------

4/ 6/ 2010 3:57:05 PM

C:\ Documents and Settings\ iakram\ My Documents\ EAST\ Workspaces\ Process for the synthetic generation of methane.wsp